### Quiz: Web API

1. What is a Web API?

- A) A set of standards and protocols for accessing web-based software applications or web tools

- B) A software framework for building web applications

- C) A web page design tool

- D) None of the above

2. What is the primary purpose of a Web API?

- A) To create web pages

- B) To access and retrieve data from a remote server

- C) To provide a user interface for web-based applications

- D) None of the above

3. What is an API endpoint?

- A) A server that hosts an API

- B) A unique address that specifies the location of a server's API

- C) A graphical representation of API data

- D) None of the above

4. What is a REST API?

- A) A type of API that uses Representational State Transfer (REST) principles

- B) A software tool for testing API functionality

- C) A programming language used for creating APIs

- D) All of the above

5. What is an API?

- A) An Application Programming Interface that allows software applications to interact with each other.

- B) A Web-based Application Programming Interface that allows software applications to interact over the internet.

- C) A software platform that provides a graphical user interface.

- D) All of the above

6. What are some common uses of Web APIs?

- A) Accessing databases and servers.

- B) Integrating third-party services and data into applications.

- C) Allowing applications to communicate with each other.

- D) Both A and B

7. What is REST?

- A) A software architecture style for creating scalable web services.

- B) A protocol for sending and receiving messages between applications.

- C) A database management system.

- D) None of the above

8. What is SOAP?

- A) A software architecture style for creating scalable web services.

- B) A protocol for sending and receiving messages between applications.

- C) A database management system.

- D) All of the above

9. What are some benefits of using REST architecture?

- A) It is lightweight and easy to use.

- B) It provides a standardized way for applications to communicate with each other.

- C) Both a) and b)

- D) None of the above

10. What are some benefits of using SOAP architecture?

- A) It is lightweight and easy to use.

- B) It provides a standardized way for applications to communicate with each other.

- C) Both a) and b)

- D) None of the above

### Answers:

1. A) A set of standards and protocols for accessing web-based software applications or web tools

2. B) To access and retrieve data from a remote server

3. B) A unique address that specifies the location of a server's API

4. A) A type of API that uses Representational State Transfer (REST) principles

5. D) All of the above

6. D) Both A and B

7. A) A software architecture style for creating scalable web services.

8. B) A protocol for sending and receiving messages between applications.

9. C) Both a) and b)

10. D) None of the above